BRITISH CORROSION JOURNAL

1989 Volume 24

Consulting Editor

A. D. Mercer

Published by:

The Institute of Metals, 1 Carlton House Terrace, London SW1Y 5DB

British Corrosion Journal Annual contents 1989

Effects of ferrous ions released from sacrificial steel anodes on corrosion of copper-nickel alloys in	
sulphide polluted sea water	40
D. R. Lenard, J. G. Moores, and G. E. Morin	19
M. Islam and W. Riad	25
Corrosion inhibition by some oxyanions in coal-water slurries	and the same of th
V. S. Sastri, R. H. Packwood, J. R. Brown, J. S. Bednar, L. E. Galbraith, and V. E. Moore	30
Effect of heat treatment on corrosion of mild steel weld metal in cassava juice	
C. A. Loto and M. A. Matanmi	36
Hydrazine and substituted hydrazines as corrosion inhibitors for lead in acetic acid S. Sankarapapavinasam, F. Pushpanaden, and M. F. Ahmed	39
Corrosion of welded mild steel in 3%NaCl medium in presence of allyl thiourea	39
C. R. Das and J. K. Misra	43
Open circuit growth of iridium oxide films in sulphuric acid solutions	
M. M. Hefny	46
Dealloying of Cu-Ni alloys in natural sea water	40
AM. Beccaria and J. Crousier EFC Marine Corrosion Working Party Report General guidelines for corrosion testing of	49
materials for marine applications: literature review on sea water as test environment	
F. P. IJsseling	53
Water side corrosion of ferritic steel steam generator tubing under acid sulphate-chloride conditions	
C. B. Ashmore, L. Tomlinson, P. J. B. Silver, and A. P. Mead	113
Electrochemical behaviour of molybdenum based coatings obtained by organometallic chemical	
vapour deposition R. Feurer, N. Bui, R. Morancho, M. Larhrafi, and R. Calsou	126
Study of fatigue crack nucleation in 12% chromium stainless steel in sulphate and phosphate	120
solutions	
H. M. Shalaby, J. A. Begley, and D. D. Macdonald	131
Evidence for dealloying of austenitic stainless steels in simulated stress corrosion crack	
environments	1.42
R. C. Newman, R. R. Corderman, and K. Sieradzki Mechanism of intergranular attack in Zn-Al-Cd sacrificial anodes at elevated temperatures	143
D. S. Ahmed, V. Ashworth, J. D. Scantlebury, and B. S. Wyatt	149
Corrosion of electrical contacts: review of flowing mixed gas test developments	147
W. H. Abbott	153
Environment sensitive fracture of Al-Si-Mg alloy 6082	
K. Ebtehaj, D. Hardie, and R. N. Parkins	183
Corrosion of galvanised steel and carbon steel in deaerated aqueous solutions of industrial fertiliser chemicals	
D. J. Smith and O. J. van der Schijff	189
Investigation of computer hardware failure due to corrosion	103
V. K. Gouda, J. A. Carew, and W. T. Riad	192
Relationship between conductivity of concrete and corrosion of reinforcing bars	
S. Feliu, J. A. González, S. Feliu, Jr, and C. Andrade	195
Electrochemical behaviour of aluminium in 1M NaCl solutions Part 1: Open circuit potential measurements	
K. P. Sherif and R. Narayan	199
Effect of some inorganic anions on corrosion of tin in nitric acid solutions	
A. A. Al-Suhybani	204
Corrosion of CuNi30Fe in artificial solutions and natural sea water: influence of biofouling	
M. F. L. de Mele, G. Brankevich, and H. A. Videla	211
F. Bellucci and G. Capobianco	219
Synergistic abrasive—corrosive wear of chromium containing steels	247
K. C. Barker and A. Ball	222
Corrosion testing and appearance of grease coated galvanised steel	
A. Y. M. Peng, S. B. Lyon, G. E. Thompson, J. B. Johnson, G. C. Wood, and	
J. M. Ferguson Novel technique of impressed current cathodic protection in atmospheric environments	257
Ge Doufu, Zhang Zongwang, Zhang Chengdian, and Xu Naixin	265
Commercial fatty acid ethoxylates as corrosion inhibitors for steel in pickling acids	200
F. Hanna, G. M. Sherbini, and Y. Barakat	269
Effect of pyridine and its derivatives on corrosion of 0040, 2826MB, and 2605–S–2 metallic glasses	
in sulphuric acid solution at 25°C	272
R. S. Chaudhary, T. K. G. Namboodhiri, I. B. Singh, and A. Kumar Inhibitive effect of benzotriazole on atmospheric corrosion of copper in presence of hydrogen	273
sulphide	
C Figurd and N Chimour	270

Pitting of copper under laboratory and field conditions		
F. M. Al-Kharafi, H. M. Shalaby, and V. K. Gouda		 . 284
Passivation of molybdenum in aqueous sodium hydroxide solutions		
Y. A. El-Tantawy		 . 291
Passivation of cathodically modified alloys		
A. Higginson		 . 297
About the authors		 79,160,229,303
Announcements and calls for papers		
Book reviews		
Conference reports		
Corrosion news and views		
Bengough Medal and Prize 1989		 . 85
H. H. Collins: a personal appreciation P. J. Boden		 . 83
Controlled shot peening for stress corrosion resistance in aircraft maintenance		
Corrosion research profiles		 . 86,165,236
Present and future corrosion scene in Europe A. D. Mercer		 . 89
Standards news		 . 163,240
Editorial		
Forthcoming corrosion events		
Synopses of papers in other institute journals		